

INSTRUCTIONS

ORIGINAL
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ELECTRONIC TONE SYNTHESIZER

MODEL FZ-1

PRODUCT OF Gibson Electronics
KALAMAZOO, MICHIGAN

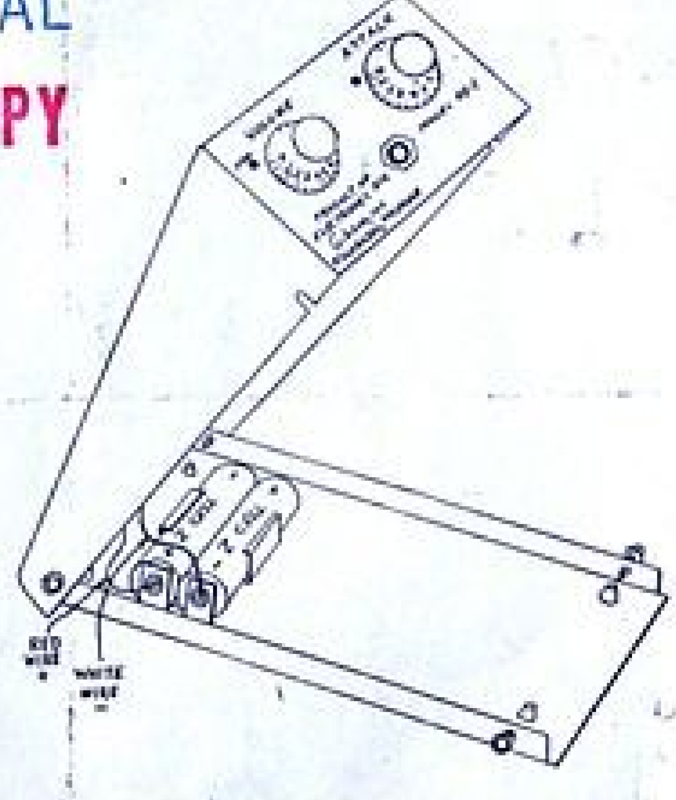


DIAGRAM SHOWING BATTERY LOCATION
Figure 1.

NOTE:

The FUZZ-TONE is designed to create *unusual sounds* with a guitar and amplifier. Do not be alarmed if it sounds Fuzzy or it seems to sound like the speaker is cracking. This is normal and by proper handling of volume and the player's musicianship, these odd sounds can be used to create the sound illusion of brass instruments, woodwind and other sounds never before heard. FUZZ-TONE is for fun — it is not designed for purity of tone — it is designed to make possible for the guitarist to use its odd sounds to create effects.

DESCRIPTION

Built into a convenient foot pedal form is a complete three stage transistor circuit with combined "OFF-ON" power switch and "VOLUME" control, an "ATTACK" control and a push-push switch to either play the instrument straight or through the FUZZ-TONE circuit.

Battery power for the transistorized circuit is supplied by two type "Z" penlight cells which should have a normal life of six months to a year. They are packed separately from the FUZZ-TONE unit and must be installed before the unit will operate. TO INSTALL THE BATTERIES, *loosen, do not remove,* the four screws holding the cover to the bottom, the two rear screws in the cover will allow the bottom to swing open for access to the battery holder. CAUTION, when installing batteries be sure to observe proper polarity. (See Figure 1.) The red wire connects to the positive, center terminal, of one cell and the white wire to the negative terminal of the other cell.

DISREGARD
BATTERIES INSTALLED AT FACTORY

INSTALLATION

1. The cord attached to the FUZZ-TONE unit has a right angle plug for insertion into the Jack of standard instruments. (See Figure 2.) For Stereo wired instruments refer to Figure 3. Connect the instrument cord as shown in Figure 2. or Figure 3. between the amplifier and FUZZ-TONE unit.

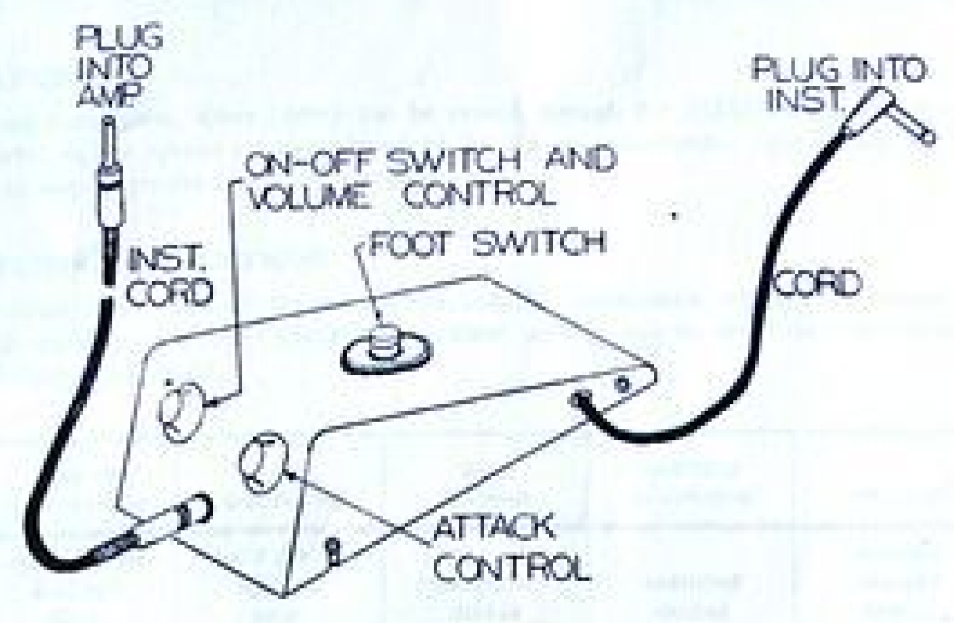


Figure 2.

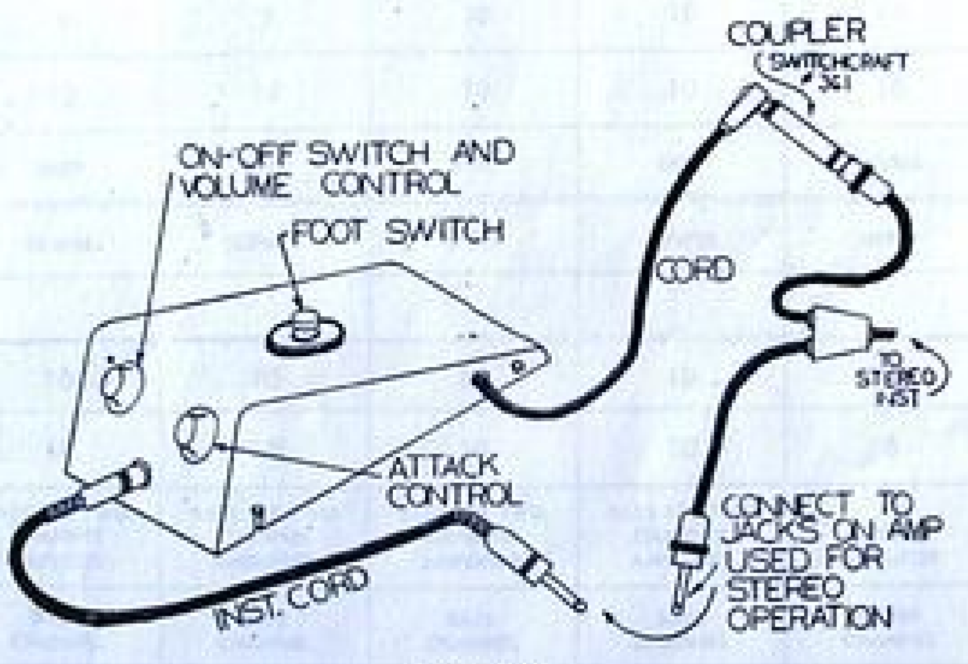


Figure 3.

2. With the amplifier turned on and its volume and tone controls in the normal settings the instrument should be set to be played in the standard manner, if not, press the FUZZ-TONE foot switch once and this will connect the instrument direct to the amplifier.

3. On the front of the FUZZ-TONE unit there are two controls, one marked "VOLUME" and the other marked "ATTACK." Turning the "VOLUME" control clockwise from the "OFF" position actuates the power switch in the first fifteen degrees of rotation. Continue turning this control up to about 3.

4. New sounds can now be created. To do so, just push the FUZZ-TONE foot switch once, pick a SINGLE note — not two, not three, not a chord — just a single note at a time, then adjust the instrument volume up and then down and listen to the changes in timbre. Try low notes, high notes and notes in the middle register of the instrument, varying the instrument volume control and tone control settings and note how certain effects are obtained.

5. The "ATTACK" control should be adjusted to help accentuate the character of tone of the particular sound being synthesized. At zero the "ATTACK" is slowest, at ten it is fastest.

GENERAL OPERATING INSTRUCTIONS

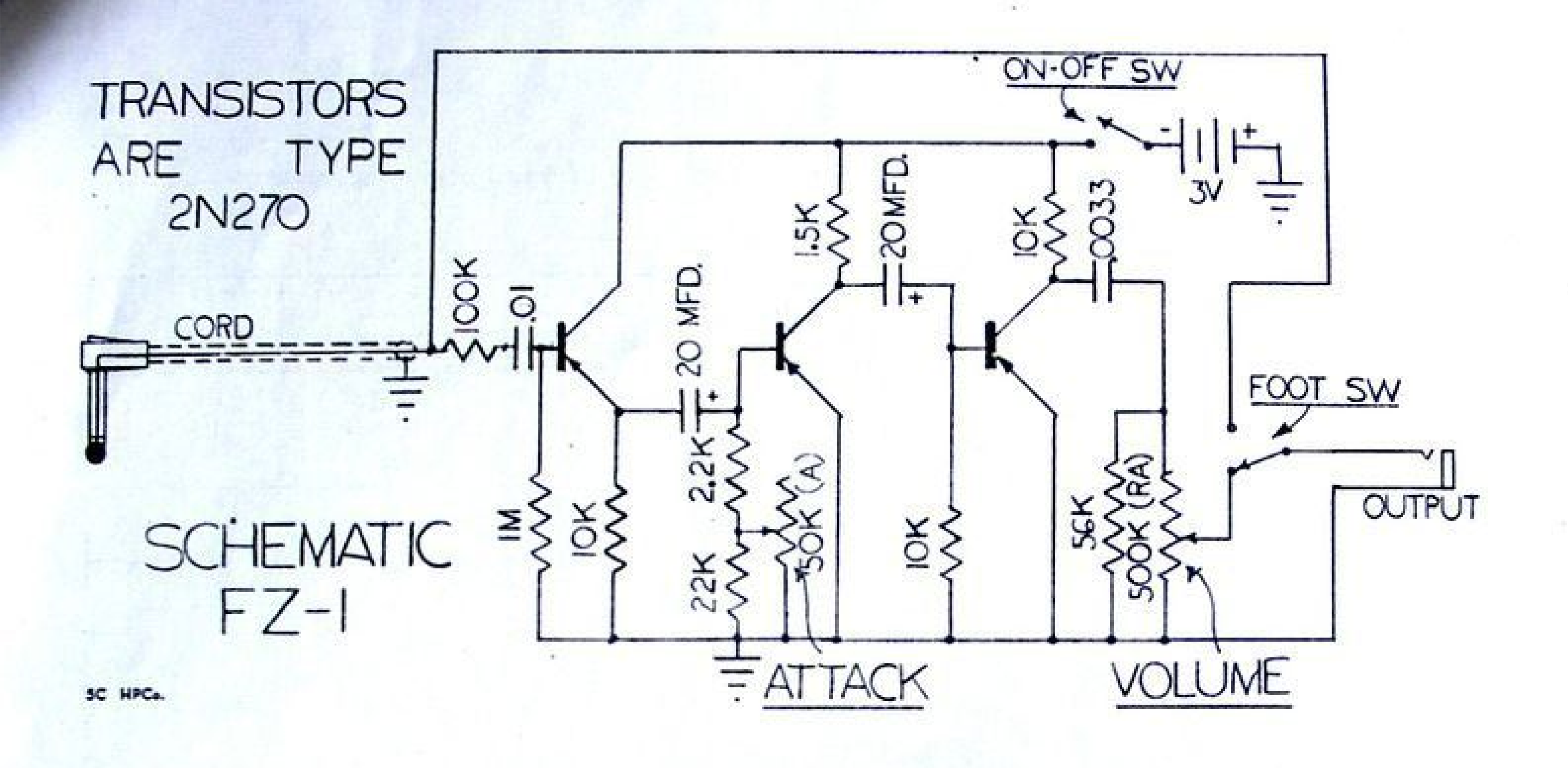
The following chart shows some of the possibilities and the approximate settings for instrument controls, FUZZ-TONE controls and amplifier controls. Variations from these settings may be desirable with the instrument and amplifier being used to create these effects.

	TUBA OR SOUSAPHONE	BASS SAXOPHONE	BASS CLARINET	BARITONE SAXOPHONE	TRUMPET	TROMBONE
INSTRUMENT (TYPE)	FOUR STRING ELECTRIC BASS	FOUR STRING ELECTRIC BASS	BARITONE GUITAR	BARITONE GUITAR	ELECTRIC SPANISH GUITAR	ELECTRIC SPANISH GUITAR
VOLUME*	8	8	10	10	10	10
TONE	10	10	10	10	10	10
SWITCH	DEEP	DEEP	DEEP	DEEP	TREBLE	TREBLE
REGISTER	LOWER	LOWER	UPPER	LOWER	UPPER	MIDDLE
FUZZ-TONE						
VOLUME	10	10	10	10	2½	2½
ATTACK	10	10	10	10	5	5
AMPLIFIER (MODEL)	BASS OR TWO CHANNEL AMPLIFIER	BASS OR TWO CHANNEL AMPLIFIER	BASS OR TWO CHANNEL AMPLIFIER	BASS OR TWO CHANNEL AMPLIFIER	REVERB. AMPLIFIER	REVERB. AMPLIFIER
CHANNEL	BASS CHANNEL	BASS CHANNEL	BASS CHANNEL	BASS CHANNEL	REVERB. CHANNEL	REVERB. CHANNEL
VOLUME	2½	1	1	1	1	1
BASS	0	0	0	0	4	4
TREBLE	0	10	10	10	10	10
REVERB.	—	—	—	—	3	3

When synthesizing any instrument be sure to play notes that are within the range or register of that instrument. For maximum "FUZZ" use low volume on FUZZ-TONE unit and increase volume on instrument. For increased instrument sound, reduce instrument volume control and increase FUZZ-TONE volume control or amplifier volume control.

SERVICE

If unit should ever need servicing, take it to a reliable radio man. The electrical diagram below should be shown the repairman to assist him in servicing the unit.



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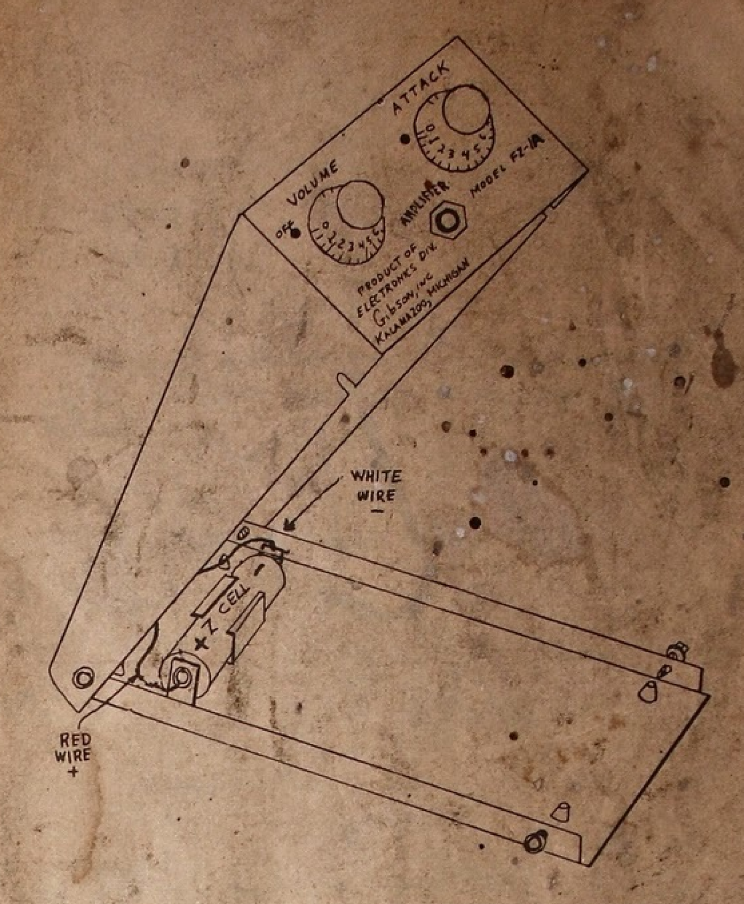


DIAGRAM SHOWING BATTERY LOCATION
Figure 1.

NOTE:

The FUZZ-TONE is designed to create an exciting new sound effect for the guitar. This is done through specially produced *controlled distortion.* Therefore do not be disturbed by the creation of a "Fuzz" effect. This is what the FUZZ-TONE is made to do — produce a fuzzy, extremely different and exciting sound effect for the guitar.

DESCRIPTION

Built into a convenient foot pedal form is a complete three stage transistor circuit with combined "OFF-ON" power switch and "VOLUME" control and a push-push switch to either play the instrument straight or through the FUZZ-TONE circuit

Battery power for the transistorized circuit is supplied by one type "Z" penlight cell. The battery is installed at the factory and, to conserve it, the FUZZ-TONE unit should be switched to the "OFF" position when not in use.

TO REPLACE THE BATTERY

Loosen, do not remove, the four screws holding the cover to the bottom, the two slotted holes in the cover will allow the bottom to swing open for access to the battery holder. CAUTION, when replacing the battery be sure to observe proper polarity. (See Figure 1.) The red wire connects to the positive, center terminal, of the cell and the white wire to the negative terminal.

INSTALLATION AND GENERAL OPERATION

1. The cord attached to the FUZZ-TONE unit has a right angle plug for insertion into the Jack of standard instruments. (See Figure 2.) For Stereo wired instruments refer to Figure 3. Connect the instrument cord as shown in Figure 2. or Figure 3. between the amplifier and FUZZ TONE unit.